

Charlotte Z. Mann

Curriculum Vitae

December 2021

323 West Hall, 1085 South University Ave, Ann Arbor, MI 48109

✉ manncz@umich.edu <http://www-personal.umich.edu/manncz/>  [manncz](#)

Education

- | | |
|------|--|
| 2024 | Ph.D., Statistics. University of Michigan, Ann Arbor, MI, USA
(Expected) Supervised by Johann Gagnon Bartsch, Ph.D. |
| 2021 | M.A., Statistics. University of Michigan, Ann Arbor, MI, USA |
| 2017 | B.A., Mathematics with a Statistics Track, <i>summa cum laude</i> . Carleton College, Northfield, MN, USA |

Publications

Peer-Reviewed

1. **Mann, C. Z.**, Abshire, C., Yost, M., Kaatz, S., Swaminathan, L., Flanders, S. A., Prescott, H. C., and Gagnon-Bartsch, J. A. (2021) "Derivation and external validation of a simple risk score to predict in-hospital mortality in patients hospitalized for COVID-19." *Medicine*, 100(40), e27422. doi:10.1097/MD.00000000000027422.
2. **Mann, C. Z.**, Hansen, B. B., Gaydos, L., and Lycurgus, T. (2021). "Protocol — Evaluating the effect of ACA Medicaid expansion on mortality during the COVID-19 pandemic using county level matching." *Observational Studies*, 7(2), S1-S31. doi:10.1353/obs.2021.0034.
3. Lycurgus, T., Hansen, B. B., and **Mann, C. Z.** (2021). "Protocol: Evaluating the effect of ACA Medicaid expansion on 2015-2018 mortality through matching and weighting." *Observational Studies*, 7(2), 1-13. doi:10.1353/obs.2021.0033.

Teaching Experience

Graduate Student Mentor, UNIVERSITY OF MICHIGAN

- | | |
|--|-----------|
| 1. <i>All Statistics Courses (Excluding STATS 250)</i> | AY 2021-2 |
| <ul style="list-style-type: none">• Supported Graduate Student Instructors to improve pedagogy.• Designed and led teaching orientation, conducted classroom observations of lab instruction, and shared bi-weekly teaching resource newsletter. | |

Graduate Student Instructor, UNIVERSITY OF MICHIGAN

- | | |
|--------------------------------------|-------------|
| 1. <i>STATS 480: Survey Sampling</i> | Winter 2020 |
| Instructor: Walter Mebane, Ph.D. | |

- Upper-level undergraduate introductory course to survey sampling including survey design and estimation based on different designs.
- Designed and taught weekly lab, held office hours, and graded homework and exams.

2. *STATS 250: Introduction to Statistics and Data Analysis* Fall 2019
Instructor: Brenda Gunderson, Ph.D.

- Large cross-disciplinary introductory statistics course.
- Taught one weekly lab section, held office hours, and graded homework and exams.

Departmental Tutor, UNIVERSITY OF MICHIGAN

1. *STATS 510 & 500* Fall 2021

- Provided studying and homework support for graduate level probability and linear modeling courses.
- Part of departmental initiative to offer tutoring for RMF and RMA eligible graduate students.

Mentoring

Undergraduate Students

Zhanning Zhu	January 2021 - May 2021
Allister Ho	January 2021 - May 2021

Consulting & Related Experience

1. Analysis Group, Inc., Boston, MA, USA 2016 - 2019
 - Senior Analyst, Jan 2019 - Jul 2019; Analyst, Aug 2017 - Dec 2018; Intern Analyst, Jun-Aug 2016
 - Contributed to the creation and support of data-driven arguments in anti-trust and consumer survey cases
 - Designed consumer surveys and conducted appropriate statistical tests to evaluate claims of false advertising
2. Statistical Consulting (MATH 280), Carleton College, Northfield, MN, USA Mar - Jun 2016
 - Collaborated with two other students to report the impact of a greenway development on surrounding property values in Minneapolis.

Presentations and Posters

Presentations

2021	Michigan Student Symposium for Interdisciplinary Statistical Sciences. Ann Arbor, MI, USA.
------	--

Posters

2021 Michigan Student Symposium for Interdisciplinary Statistical Sciences. Ann Arbor, MI, USA.

Grants

1. Student Ally for Diversity Grant, Rackham Graduate School, University of Michigan, Spring/Summer 2021.
 - Collaborated with co-grantee, Zoe Rehnberg, and ad-hoc department committee on math preparation.
 - Developed a curriculum for incoming PhD and Bridge Master's students to the statistics department to improve readiness for first year classes for those with diverse mathematical backgrounds.

Awards

1. Departmental Ph.D. Student Service Award. Statistics, University of Michigan, 2021.
2. Excellent Poster. Michigan Student Symposium for Interdisciplinary Statistical Sciences, 2021.
3. Outstanding First Year Student Award. Department of Statistics, University of Michigan, 2020.

Professional Service

Departmental Service

1. Student Representative, Faculty Diversity, Equity, and Inclusion Committee. Department of Statistics, University of Michigan. Fall 2020 - present.
2. Co-founder and Steering Committee Member, Graduate Student Justice, Equity, Diversity, and Inclusion Working Group (GS-JEDI). Department of Statistics, University of Michigan. Summer 2020 - present.
3. Chair of the PhD Student Council Recruiting Committee. Department of Statistics, , University of Michigan. Fall 2020 - present.
4. Member of the PhD Student Council (Social and Recruiting Committees). Department of Statistics, University of Michigan. Fall 2019 - present.

Journals Refereed

2020 *The American Statistician*

Professional Memberships

1. American Statistical Association (2016 - present)